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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	Perez et al.	Examiner:	Unassigned
Serial No.:	10/577,000	Group Art Unit:	1653
Confirmation No:	5827	Docket:	976-31 PCT/US
Filed:	April 21, 2006	Dated:	August 6, 2007
For:	Method of antigen incorporation into Neisseria bacterial outer membrane vesicles and resulting vaccine formulations		

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

*I hereby certify this correspondence is being deposited
with the United States Postal Service as first class mail,
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Alexandria, Virginia 22313-1450
on August 6, 2007*

Signed: _____

*Rachel Solano***INFORMATION DISCLOSURE STATEMENT**

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.
§1.56, Applicants submit herewith the following Information Disclosure Statement in
accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

UNITED STATES PATENT PUBLICATIONS

<u>PATENTEE</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
Zollinger et al.	2003/0059444	3/27/2003

FOREIGN PATENT DOCUMENTS

<u>COUNTRY</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
WO	WO 03/051379	6/26/2003
EP	EP 1 297 844 A2	4/2/2003
WO	WO 01/91788	12/6/2001
WO	WO 01/09350	2/8/2001
WO	WO 00/66791	11/9/2000

NON PATENT PUBLICATIONS

1. DATABASE UniProt 'Online! "Putative periplasmic protein" October 1, 2000, XP002331525, retrieved from EBI accession no. UNIPROT: Q9JQZ2, Database accession no. Q9JQZ2.
2. DATABASE EMBL 'Online! "Neisseria meningitides serogroup A strain Z2491 complete genome; segment 4/7" March 30, 2000, XP002331526, retrieved from EBI accession no. EM PRO: NMA4Z2491.
3. DATABASE UniProt 'Online! "Hypothetical protein NMB1125 (Hypothetical protein NMB1163)" XP002331527, retrieved from EBI accession no. UNIPROT:Q7DDH5.
4. Sardinas, G. et al., "Anti-PorA Antibodies Elicited by Immunization with Peptides Conjugated to P64k", *Biochemical and Biophysical Research Communications* 277, pp. 51-54, August 2000.

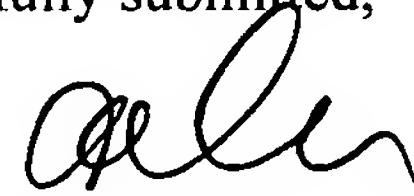
5. Saunders, N. et al., "Immunogenicity of Intranasally Administered Meningococcal Native Outer Membrane Vesicles in Mice" *Infection and Immunity*, Vol. 67, No. 1, pp. 113-119, Jan. 1999.
6. Jin, Z. et al., "Preparation and Characterization of Group A Meningococcal Capsular Polysaccharide Conjugates and Evaluation of Their Immunogenicity in Mice", *Infection and Immunity*, Vol. 71, No. 9, pp. 5115-5120, Sept. 2003.
7. Alvarez, G. et al. "Cloning and Expression of the porA Gene of the Neisseria meningitides...", *Acta Biotechnol* 16, 2-3, 165-173, 1996.
8. Carmenate, T. et al., "Effect of conjugation methodology on the immunogenicity and protective efficacy of meningococcal group C polysaccharide-P64K protein conjugates", *FEMA Immunology and Medical Microbiology*, 40, pp. 193-199, 2004.
9. Hermida, L. et al., "A dengue-2 Envelope fragment inserted within the structure of the P64k meningococcal protein carrier enables..." *Journal of Virological Methods*, 115, pp. 41-49, 2004.

Copies of the references set forth above are enclosed herewith and a separate listing of the same has been set forth on the attached Form PTO-1449. The Examiner is respectfully requested to consider these references, and to indicate that he or she has done so by initialing the enclosed Form PTO-1449.

This Statement is being filed before the mailing of a first Office Action on the merits. Applicant believes that no fee for this submission is due. If, however, a fee is due for entry of this Information Disclosure Statement, the Office is authorized to charge Deposit Account No. 08-2461 for any such fee.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' representative at the telephone number set forth below.

Respectfully submitted,



Anna C. Chau
Registration No.: 54,637
Agent for Applicant(s)

HOFFMANN & BARON, LLP
6900 Jericho Turnpike
Syosset, New York 11791
(516) 822-3550
ACC:rd
277706_1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
976-31 PCT/USSERIAL NO.
10/577,000INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Perez et al.CONFIRMATION NO.
5827

(Use several sheets if necessary)

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U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		2003/0059444	3/27/2003	Zollinger et al.			Nov. 15, 1996

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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							YES	NO
		WO 03/051379	6/26/2003	WO				
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		WO 01/91788	12/6/2001	WO				
		WO 01/09350	2/8/2001	WO				
		WO 00/66791	11/9/2000	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			DATABASE UniProt 'Online! "Putative periplasmic protein" October 1, 2000, XP002331525, retrieved from EBI accession no. UNIPROT: Q9JQZ2, Database accession no. Q9JQZ2.
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EXAMINER

DATE CONSIDERED

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 976-31 PCT/US	SERIAL NO. 10/577,000
	APPLICANT Perez et al.	CONFIRMATION NO. 5827
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			Sardinas, G. et al., "Anti-PorA Antibodies Elicited by Immunization with Peptides Conjugated to P64k", <i>Biochemical and Biophysical Research Communications</i> 277, pp. 51-54, August 2000.
			Saunders, N. et al., "Immunogenicity of Intranasally Administered Meningococcal Native Outer Membrane Vesicles in Mice" <i>Infection and Immunity</i> , Vol. 67, No. 1, pp. 113-119, Jan. 1999.
			Jin, Z. et al., "Preparation and Characterization of Group A Meningococcal Capsular Polysaccharide Conjugates and Evaluation of Their Immunogenicity in Mice", <i>Infection and Immunity</i> , Vol. 71, No. 9, pp. 5115-5120, Sept. 2003.
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							YES	NO

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			Carmenate, T. et al., "Effect of conjugation methodology on the immunogenicity and protective efficacy of meningococcal group C polysaccharide-P64K protein conjugates", <i>FEMA Immunology and Medical Microbiology</i> , 40, pp. 193-199, 2004.
			Hermida, L. et al., "A dengue-2 Envelope fragment inserted within the structure of the P64k meningococcal protein carrier enables..." <i>Journal of Virological Methods</i> , 115, pp. 41-49, 2004.

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